

## **EXHIBIT 54**



Lockwood, Andrews  
& Newnam, Inc.  
A LEO A DAILY COMPANY

SUBJECT:

# DESIGN NOTES AND COMPUTATIONS

SHEET NO.

OF

8/9/13 mto w/ Flint

- Filter transfer to Dart needed to run off line for Cr value.
- Flint Thinking they don't need improvements on L.S. pump 4. - Wait normally <sup>2/c</sup> be used.
- Still need security #'s.
- Finishing water on east side of cutting Thru yard has an 8" segment.
  - Also has disconnected segment of pipe to keep in dead. (24")
- R.O.T. budget for P.S. ~ \$200,000/mgd - e.s. old pump
- Thinking of changing from Wonderware to RS View for SCADA
- They need operations cost est.
  - Have elect \$100/mgd
  - Chem? ~ \$400/mgd - soda ash \$300/mgd
  - Labor? ~ \$2 million/yr. additional labor. Fringe 85%
  - Residual dig.
    - lime sludge \$450k/yr.
    - clay sludge \$50k/yr.
- Send Flint letter outlining O&M costs
- MDEQ may req a corrosion inhibitor study.
- Mtg on M 2:00 - Flint / GC
  - M 8:00 - GC / Rose Intake.
  - M 10:00 - GC / DEQ / Pipeline.

PREPARED BY

DATE

CHECKED BY

DATE

PROJECT NUMBER

D-004